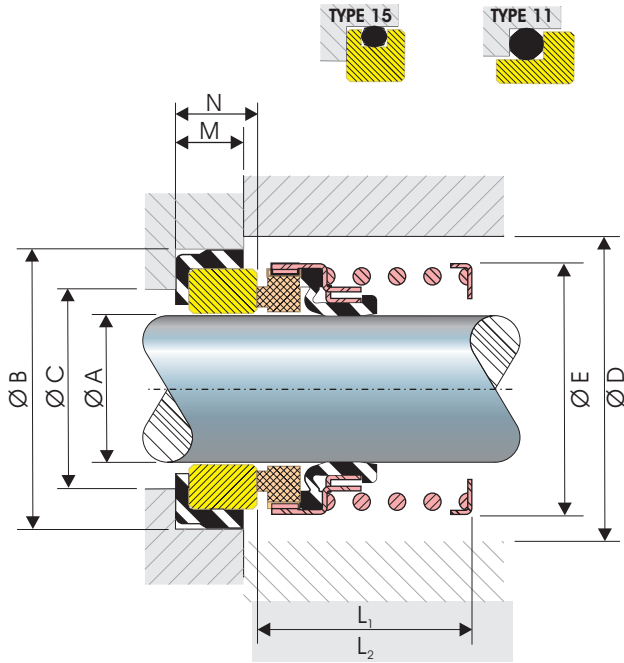


# LINE "A"



## CHARACTERISTICS






### Applications:

VAZEL mechanical seal Line "A" is used in water pumps, it can also be used in pumps of rotary turbines and outward-flow turbine, mixers, motorized speed reducer and similar rotary equipments.

### Design:

Mechanical seal with rubber bellows, low cost, with stainless steel series 300 metallic parts, with non-clogging single spring.

### Materials:

-  **1** Metallic parts..... 316 Stainless Steel
-  **2** Springs..... 316 Stainless Steel
-  **3** Faces..... Graphite Carbon, Silicon Carbide, Tungsten Carbide.
-  **4** Packing..... Nitrile, Viton®, Neoprene®, E.P.R.
-  **5** Seat..... Alumina, Silicon Carbide, Tungsten Carbide, 316 Stainless Steel, Ni-Resist

### Dimensions

A	B	C	D	E	L <sub>1</sub>	L <sub>2</sub>	M	N
±0.002	±0.002	REF.	Min.	Max.	±0.020	±0.020	±0.005	±0.015
3/8	0.875	0.438	1.062	0.937	1.188	0.812	0.250	0.312
1/2	1.000	0.563	1.187	1.062	1.188	0.812	0.250	0.312
5/8	1.250	0.688	1.343	1.218	1.312	0.875	0.344	0.406
3/4	1.375	0.813	1.468	1.343	1.312	0.875	0.344	0.406
7/8	1.500	0.938	1.656	1.531	1.375	0.937	0.344	0.406
1	1.625	1.063	1.750	1.625	1.562	1.000	0.375	0.438
1-1/8	1.750	1.188	1.870	1.745	1.625	1.062	0.375	0.438
1-1/4	1.875	1.313	2.000	1.875	1.625	1.062	0.375	0.438
1-3/8	2.000	1.438	2.125	2.000	1.687	1.125	0.375	0.438
1-1/2	2.125	1.563	2.250	2.125	1.687	1.125	0.375	0.438
1-5/8	2.375	1.688	2.500	2.375	2.000	1.375	0.438	0.500
1-3/4	2.500	1.813	2.625	2.500	2.000	1.375	0.438	0.500
1-7/8	2.625	1.938	2.750	2.625	2.125	1.500	0.438	0.500
2	2.750	2.063	2.937	2.812	2.125	1.500	0.438	0.500
2-1/8	3.000	2.188	3.125	3.000	2.375	1.687	0.500	0.562
2-1/4	3.125	2.313	3.250	3.125	2.375	1.687	0.500	0.562
2-3/8	3.250	2.438	3.375	3.250	2.500	1.812	0.500	0.562
2-1/2	3.375	2.563	3.500	3.375	2.500	1.812	0.500	0.562
2-5/8	3.375	2.688	3.750	3.625	2.750	1.937	0.562	0.625
2-3/4	3.500	2.813	3.875	3.750	2.750	1.937	0.562	0.625
2-7/8	3.750	2.938	4.000	3.875	2.875	2.062	0.562	0.625
3	3.875	3.125	4.187	4.062	2.875	2.062	0.562	0.625

NOTE: All measurements are in inches.  
Dimensions as specified in the ASTM norm

### OPERATIONAL LIMITS

OPERATION	LIMITS
SHAFT SPEED	2,500 RPM*
PRESSURE	125 PSI (8.8 kg/cm <sup>2</sup> )

\*Depending on shaft's diameter

### INSTALLATION CRITERIA

SHAFT	LIMITS
SURFACE FINISH	32 a 63 Ra
OUT OF ROUNDNESS	± 0.051mm / 0.002"
EXTREME AXIAL MOVEMENT	± 0.013mm / 0.005"

### TEMPERATURE LIMITS

